

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Charles T. Esmon and Naomi L. Esmon

SERIAL NO: 07/730,040 ART UNIT: 182

FILING DATE: July 12, 1991 EXAMINER: P. Hutzell

FOR: MONOCLONAL ANTIBODY AGAINST PROTEIN C

Commissioner of Patents and Trademarks
Washington, D.C. 20231

DECLARATION UNDER 37 C.F.R. §1.132

Sir:

I, John H. Griffin, hereby declare that:

1. I am an Associate Member at The Scripps Research Institute. I received my Ph.D. degree from University of California at Davis in 1969. I have conducted research in the areas of protein chemistry, enzymology, immunology, blood coagulation and thrombosis.

2. I have prepared and isolated murine monoclonal antibodies to a number of human plasma proteins including High Molecular weight kininogen, protein S and protein C.

3. In the course of isolating approximately twenty monoclonal antibodies against Protein C from two different immunization procedures performed two years apart, I have never, to my knowledge, obtained antibodies against protein C that uniquely recognize only the zymogen form, or that bind calcium ions in addition to the protein C molecule, or that have the same epitope as the antibody made by Dr. Esmon and colleagues which is known as HPC-4.

4. Based on my eighteen years of experience making monoclonal and polyclonal antibodies against plasma proteins, I believe it would be very difficult if not completely impossible to isolate the same antibody as HPC-4.

5. I declare that all statements made herein of my own knowledge are true. These statements are made with the knowledge that willful false statements are punishable by fine or imprisonment under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

John H. Griffin Ph.D.
John H. Griffin, Ph.D.

Date: June 1, 1992